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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Heegard et al.

Application No.: 09/922,366

Filed: August 3, 2001

For: JOINT EQUALIZATION AND DECODING USING  
A SEARCH-BASED DECODING ALGORITHM

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Technology Center 2600

Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on November 20, 2001

By:

Carol Prentice

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with 37 C.F.R. §1.56, Applicants wish to call the attention of the Examiner to the following references:

PUBLICATION(S) :

Fano, Robert M., "A Heuristic Discussion of Probabilistic Decoding," IEEE Transactions on Information Theory, April 1963, pp. 64-74.

Viterbi, Andrew J., "Error Bounds for Convolutional Codes and an Asymptotically Optimum Decoding Algorithm," IEEE Transactions on Information Theory, April 1967, pp. 260-269.

Kobayashi, Hisashi, "Correlative Level Coding and Maximum-Likelihood Decoding," IEEE Transactions on Information Theory, September 1971, pp. 586-594.

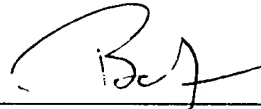
Forney, Jr., G. David, "Maximum-Likelihood Sequence Estimation of Digital Sequences in the Presence of Intersymbol Interference," IEEE Transactions on Information Theory, May 1972, pp. 363-378.

**Application No.: 09/922,366**  
**Page 2**

Copies of the above-listed references are enclosed, together with a completed form PTO-1449.

Consideration of these references by the Examiner is respectfully requested. To date, a first Office Action on the merits has not been received in connection with this application. This Information Disclosure Statement is therefore believed to be timely filed.

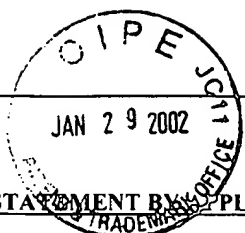
Respectfully submitted,



**Date: November 20, 2001**  
**ATTORNEY DOCKET NO.: ALA-110**

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Barry R. Lipsitz  
Attorney for Applicant(s)  
Registration No. 28,637  
755 Main Street, Bldg. 8  
Monroe, CT 06468  
(203) 459-0200



FORM PTO-1449

JAN 29 2002

ATTY. DOCKET NO.: ALA-110

SERIAL NO.:  
09/922,366

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT(S): Heegard et al.

FILING DATE: August 3, 2001

GROUP:

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |  | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB-<br>CLASS | FILING<br>DATE |
|---------------------|--|-----------------|------|------|-------|---------------|----------------|
|                     |  |                 |      |      |       |               |                |
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## FOREIGN PATENT DOCUMENTS

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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|--|------|---|
|  | AA ✓ | Fano, Robert M., "A Heuristic Discussion of Probabilistic Decoding," IEEE Transactions on Information Theory, April 1963, pp. 64-74.  |
|  | AB ✓ | Viterbi, Andrew J., "Error Bounds for Convolutional Codes and an Asymptotically Optimum Decoding Algorithm," IEEE Transactions on Information Theory, April 1967, pp. 260-269.                    |
|  | AC ✓ | Kobayashi, Hisashi, "Correlative Level Coding and Maximum-Likelihood Decoding," IEEE Transactions on Information Theory, September 1971, pp. 586-594.   |
|  | AD ✓ | Forney, Jr., G. David, "Maximum-Likelihood Sequence Estimation of Digital Sequences in the Presence of Intersymbol Interference," IEEE Transactions on Information Theory, May 1972, pp. 363-378. |
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.